

July 12, 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Ashok L. Cholli, Vijayendra Kumar, Ashish Dhawan, Jayant Kumar, Virinder Singh Parmar, Lynne Ann Samuelson, Ferdinando F. Bruno

Application No.: 10/761,933

Group: 1761

Filed: January 21, 2004

Examiner: Wong, Leslie A.

Confirmation No.: 2164

For: POLYMERIC ANTIOXIDANTS

CERTIFICATE OF MAILING OR TRANSMISSION

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This Information Disclosure Statement is submitted:



under 37 CFR 1.97(b), or

(Within any one of the following time periods: three months of filing national application (other than a CPA) or date of entry of the national stage in an international application; or before the mailing date of a first office action on the merits in a non-provisional application, including a CPA, or a Request for Continued Examination).



under 37 CFR 1.97(c) together with either:



a Statement under 37 CFR 1.97(e), as checked below, or



a \$180.00 fee under 37 CFR 1.17(p), or

(After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)



under 37 CFR 1.97(d) together with:



a Statement under 37 CFR 1.97(e), as checked below, and



a \$180.00 fee under 37 CFR 1.17(p), or

(Filed after final action or notice of allowance, whichever occurs first, but on or before payment of the issue fee)



under 37 CFR 1.97(i):

Applicant requests that the IDS and cited reference(s) be placed in the application file.

(Filed after payment of issue fee)

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /LW/

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /LW/

Statement Under 37 CFR 1.97(e)

- ☐ Each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Statement Under 37 CFR 1.704(d) (Patent Term Adjustment)

Applies to original applications (other than design) filed on or after May 29, 2000

- ☐ Each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.
- ☒ Enclosed herewith is form PTO-1449:
- ☒ Copies of the cited references, AP, AQ, AL2-AQ2, AL3-AQ3, AL4-AQ4, AL5-AQ5, AL6-AQ6, AL7-AQ7, AL8-AQ8, AL9-AM9, AV2-AZ2, AR3-AZ3, AR4-AZ4, AR5-AZ5, AR6-AZ6, AR7-AY7, are enclosed.
- ☒ Copies of issued U.S. patents and published U.S. applications are not required and are not being provided.
- ☐ Copies of the cited references are enclosed except those entered in prior application, U.S. Application No. [], to which priority under 35 U.S.C. 120 is claimed. [OPTIONAL [The earlier application contains copies of the cited references.]
- ☐ The listed references were cited in the enclosed International Search Report in a counterpart foreign application.
- ☒ The "concise explanation" requirement (non-English references) for references, AQ, AM2, AO2-AP2, AM3-AN3, AL4-AN4, AQ4, AL5, AQ5, AL7-AM7, AP7, AO8-AQ8 and AL9-AM9, Av4 and AX4-AZ4 under 37 CFR 1.98(a)(3) is satisfied by:
- ☐ the explanation provided on the attached sheet.
- ☐ the explanation provided in the Specification.
- ☐ submission of the enclosed International Search Report.
- ☐ submission of the enclosed English-language version of a foreign Search Report and/or foreign Office Action.
- ☒ the enclosed English language abstract.

- ☐ Applicant requests that the following non-published pending applications be considered:
(Affix a label or apply the stamp "Non-Published IDS Reference - Do Not Scan" to the front of each unpublished pending appl'n.)

Examiner's
Initials

____ U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []
____ U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []
____ U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []

Examiner

Date

- ☐ A copy of each above-cited application, including the current claims, is enclosed, except any application filed on or after June 30, 2003, which has been scanned into the PTO's Image File Wrapper (IFW) system and is available to the examiner.
- ☐ A copy of each above-cited application, including the current claims, is enclosed, except those entered in prior application, U.S. Application No. [], to which priority under 35 U.S.C. 120 is claimed.

The Examiner is requested to return a copy of the above list of pending applications indicating which references were considered with the next office communication.

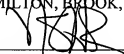
It is requested that the information disclosed herein be made of record in this application.

Method of payment:

- ☐ A check for the fee noted above is enclosed, or the fee has been included in the check with the accompanying Reply. A copy of this Statement is enclosed.
- ☐ Please charge Deposit Account 08-0380 in the amount of \$[]. A copy of this Statement is enclosed.
- ☒ Please charge any deficiency in fees and credit any overpayment to Deposit Account 08-0380.

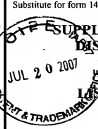
Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

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Concord, MA 01742-9133

Dated: 7/17/07

Substitute for form 1449B/PTO		ATTORNEY DOCKET NO. 0813.2002-004		APPLICATION NO. 10/761,933	
 SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION LISTING OF REFERENCES July 12, 2007 (Use several sheets if necessary)		FIRST NAMED INVENTOR Ashok L. Cholli		FILING DATE January 21, 2004	
		EXAMINER Wong, Leslie A.		CONFIRMATION NO. 2164	

U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL	REF. NO.	DOCUMENT NUMBER Number-Kind Code (if known)	ISSUE DATE / PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT
/LW/	AK	3,441,545	04-29-1969	Blatz, <i>et al.</i>
/LW/	AA2	5,911,937	06-15-1999	Hekal
/LW/	AB2	5,320,889	06-14-1994	Bettle, III
/LW/	AC2	4,977,004	12-11-1990	Bettle, III, <i>et al.</i>
/LW/	AD2	4,267,358	05-12-1981	Hechenbleikner, <i>et al</i>
/LW/	AE2	4,281,192	07-28-1981	Jacquet, <i>et al.</i>
/LW/	AF2	4,355,148	10-19-1982	Layer, <i>et al.</i>
/LW/	AG2	3,294,836 A	12-27-1966	Peterson, <i>et al.</i>
/LW/	AH2	2004/0186167 A1	09-23-2004	Dou, <i>et al.</i>
/LW/	AI2	4,341,879	07-27-1982	Sugio, <i>et al.</i>
/LW/	AJ2	5,834,544	11-10-1998	Lin, <i>et al.</i>
/LW/	AK2	5,207,939	05-04-1993	Farn, <i>et al.</i>
/LW/	AA3	3,655,831	04-11-1972	Friedman
/LW/	AB3	4,855,345	08-08-1989	Rosenberger, <i>et al.</i>
/LW/	AC3	4,447,657	05-08-1984	Firth, <i>et al.</i>
/LW/	AD3	2003/0191242 A1	10-09-2003	Zedda, <i>et al.</i>
/LW/	AE3	3,996,198	12-07-1976	Wang, <i>et al.</i>
/LW/	AF3	4,968,759	11-06-1990	Kikuchi, <i>et al.</i>
/LW/	AG3	2006/0128929 A1	06-15-2006	Yang, <i>et al.</i>

EXAMINER /Leslie Wong/	DATE CONSIDERED 02/15/2008
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/LW/	AH3	2006/0128930 A1	06-15-2006	Dhawan, <i>et al.</i>
/LW/	AI3	2006/0128939 A1	06-15-2006	Kumar, <i>et al.</i>
/LW/	AJ3	2006/0128931 A1	06-15-2006	Kumar, <i>et al.</i>
/LW/	AK3	2006/0189824 A1	08-24-2006	Kumar, <i>et al.</i>
/LW/	AA4	2006/0233741 A1	10-19-2006	Kumar, <i>et al.</i>
/LW/	AB4	2006/0041094 A1	02-23-2006	Cholli
/LW/	AC4	2006/0041087 A1	02-23-2006	Cholli
/LW/	AD4	2005/0238789	10-27-2005	Cholli, <i>et al.</i>
/LW/	AE4	4,855,345	08-08-1989	Rosenberger, <i>et al.</i>
/LW/	AF4	2007/0106059	10-27-2006	Cholli, <i>et al.</i>
/LW/	AG4	2007/0135539 A1	06-14-2007	Ashok, <i>et al.</i>
/LW/	AH4	4,219,453	08-26-1980	Sakurai, <i>et al.</i>
/LW/	AI4	4,511,491	04-16-1985	Ishii, <i>et al.</i>
/LW/	AJ4	6,342,549 B1	01-29-2002	Hirose, <i>et al.</i>
/LW/	AK4	6,828,364 B2	12-07-2004	Gugumus
/LW/	AA5	4,202,816	05-13-1980	Moser, <i>et al.</i>
/LW/	AB5	3,645,970	02-29-1972	Kleiner
/LW/	AC5	3,459,704	08-05-1969	Peterson, <i>et al.</i>
/LW/	AD5	4,094,857 A	06-13-1978	Wolfe, Jr.
/LW/	AE5	6,770,785 B1	08-03-2004	Desai, <i>et al.</i>
/LW/	AF5	5,013,470	05-07-1991	Benfaremo

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	EXAMINER Wong, Leslie A.	CONFIRMATION NO. 2164	GROUP 1761

/LW/	AG5	2003/0030033 A1	02-13-2003	Duyck, <i>et al.</i>
/LW/	AH5	3,632,785	01-04-1972	Bornstein
/LW/	AI5	2002/0128493 A1	09-12-2002	Romanczyk, Jr., <i>et al.</i>
/LW/	AJ5	2004/0186167 A1	09-23-2004	Ping, <i>et al.</i>
/LW/	AK5	4,283,572	08-11-1981	Klicker
/LW/	AA6	4,465,871	08-14-1984	Firth, <i>et al.</i>
/LW/	AB6	4,900,671	02-13-1990	Pokora, <i>et al.</i>
/LW/	AC6	4,849,503	07-18-1989	Cotter, <i>et al.</i>
/LW/	AD6	6,444,450 B2	09-03-2002	Akkara, <i>et al.</i>
/LW/	AE6	2006/0029706 A1	02-09-2006	Cholli, <i>et al.</i>
/LW/	AF6	2004/0164279 A1	08-26-2004	Stevenson, <i>et al.</i>
/LW/	AG6	3,655,831	04-11-1972	Friedman
/LW/	AH6	4,098,829	07-04-1978	Weinshenker, <i>et al.</i>
/LW/	AI6	4,205,151	05-27-1980	Dale, <i>et al.</i>
/LW/	AJ6	4,213,892	07-22-1980	Scott
/LW/	AK6	4,857,596	08-15-1989	MacLeay, <i>et al.</i>
/LW/	AA7	5,017,727	05-21-1991	Olivier
/LW/	AB7	5,574,118	11-12-1996	Olivier
/LW/	AC7	7,223,432	05-29-2007	Cholli, <i>et al.</i>
/LW/	AD7	2007/0154608	07-05-2007	Cholli, <i>et al.</i>
/LW/	AE7	2007/0154720	07-05-2007	Cholli, <i>et al.</i>

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/LW	AF7	2007/0154430	07-05-2007	Cholli, <i>et al.</i>

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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER Country Code-Number-Kind Code (if known)	DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	TRANSLATION YES NO	
/LW/	AP	EP 1 067 144 A1	01-10-2001	Dainichiseika Color & Chemicals Mfg. Co. Ltd.		
/LW/	AQ	JP 09 328521	12-22-1997	Toppan Printing Co., Ltd.		X
/LW/	AL2	GB 1 482 649	08-10-1977	Polysar Ltd.		
/LW/	AM2	JP 09 328519	12-22-1997	Toppan Printing Co., Ltd.		X
/LW/	AN2	WO 2003/087260 A1	10-23-2003	University of Massachusetts Lowell and Government of the United States as represented by the Secretary of the Army		
/LW/	AO2	EP 0 404 039 A1	12-27-1990	Boehringer Mannheim GMBH		X
/LW/	AP2	NL 7 905 000	03-27-1980	Cincinnati Milacron Chemicals, Inc.		X
/LW/	AQ2	GB 1 283 103	07-26-1972	Ciba-Geigy AG		
/LW/	AL3	WO 2004/050795 A2	06-17-2004	Tufts University		
/LW/	AM3	JP 59197447	11-09-1984	Mitsui Petrochem Ind LTD		X
/LW/	AN3	DE 197 47 644 A1	05-06-1999	Institut for Polymerforschung Dresden		X
/LW/	AO3	EP 0 289 077 A2	11-02-1988	Shell Internationale Research Maatschappij B.V.		
/LW/	AP3	WO 01/48057 A1	07-05-2001	DSM N.V.		
/LW/	AQ3	WO 2005/071005 A1	08-04-2005	University of Massachusetts Lowell and Government of the United States		
/LW/	AL4	JP 45 2980	01-31-1970	Mitsubishi Rayon Co., Ltd.		X

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/LW/	AM4	JP 44028850	11-26-1969	Mitsubishi Rayon Co., Ltd.		X
/LW/	AN4	JP 44024274	10-14-1969	Mitsubishi Rayon Co., Ltd.		X
/LW/	AO4	EP 0 688 805 A1	12-27-1995	Mitsui Toatsu Chemicals, Incorporated		
/LW/	AP4	WO 02/079130 A1	10-10-2002	Council of Scientific and Industrial Research		
/LW/	AQ4	JP 59025814	02-09-1984	Kawamura Ins. of Chem Res.		X
/LW/	AL5	JP 09262069	10-07-1997	Yanagiya Honten KK		X
/LW/	AM5	WO 2006/104957 A2	10-05-2006	Polnox Corporation		
/LW/	AN5	WO 2005/025646 A2	03-24-05	United States Government as represented by the Secretary of Army		
/LW/	AO5	WO 2005/025513 A2	03-24-05	The Regents of the University of California		
/LW/	AP5	EP 0 181 023 A1	05-14-1986	Enichem Sintesi; Bozetto Ind Chim		
/LW/	AQ5	FR 2 183 973	12-21-1973	Sandoz SA		X
/LW/	AL6	WO 2006/018403 A1	02-23-2006	Ciba Specialty Chemicals Holding Inc.		
/LW/	AM6	1 389 442	04-03-1975	Kodak Limited		
/LW/	AN6	1 469 245	04-06-1977	Kodak Limited		
/LW/	AO6	WO 01/18125 A1	03-15-2001	Ghisalberti, C.		

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		DOCUMENT NUMBER Country Code-Number-Kind Code (if known)	DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	TRANSLATION YES NO	
/LW/	AP6	WO 2004/024070 A2	03-25-2004	The Government of the United States of America as Represented by the Secretary of the Department of Health and Human Services and Chiba University		
/LW/	AQ6	EP 0 618 203 A1	10-05-1994	Mitsui Norin Co., Ltd.		
/LW/	AL7	JP 11-158103	06-15-1999	Tosoh Corp		X
/LW/	AM7	JP 11-80063	03-23-1999	Agency Ind Science Techn		X
/LW/	AN7	WO 2006/060801 A2	06-08-2006	Polnox Corporation		
/LW/	AO7	WO 2005/070974 A2	08-04-2005	University of Massachusetts Lowell		
/LW/	AP7	JP 60-199832	10-09-1985	Nitto Electric Ind. Co. Ltd		X
/LW/	AQ7	GB 1 372 042	10-30-1974	Sandoz LTD		
/LW/	AL8	GB 1 320 169	06-13-1973	Ashland Oil, Inc.		
/LW/	AM8	WO 03/102004 A1	12-11-2003	CIBA Specialty Chemicals Holdings Inc.		
/LW/	AN8	WO 2005/060500 A2	07-07-2005	Dover Chemical Corporation		
/LW/	AO8	JP 05 199858	08-10-1993	Kaiyo Biotechnology Kenkyusho KK		X
/LW/	AP8	CS 111291	06-15-1964	Jan Pospisil, et al.		X
/LW/	AQ8	JP 2003138258	05-14-2003	Univ. Kyoto		X
/LW/	AL9	JP 06 247959	09-06-1994	Suntory Ltd.		X

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(Use several sheets if necessary)

GROUP
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[illegible]

/Leslie Wong/

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
/LW/	AV2 Jialanella, G and Pilrma, I., "Synthesis of Poly(vinyl alcohol-co-vinyl gallate) by the Chemical Modification of Poly(vinyl alcohol)," <i>Polymer Bulletin</i> 18:385-389 (1987).
/LW/	AW2 Jayaprakasha, G.K., <i>et al.</i> , "Antioxidant Activity of Grape Seed (<i>Vitis vinifera</i>) Extracts on Peroxidation Models In Vitro," <i>Food Chemistry</i> , 73:285-290 (2001).
/LW/	AX2 Hidalgo, M.E., <i>et al.</i> , "Antioxidant Activity of Depsides and Depsidones," <i>Phytochemistry</i> , 37(6):1585-1587 (1994).
/LW/	AY2 Khan, K.M., <i>et al.</i> , "An Expedient Esterification of Aromatic Carboxylic Acids Using Sodium Bromate and Sodium Hydrogen Sulfite," <i>Tetrahedron</i> 59(29):5549-5554 (2003).
/LW/	AZ2 March, J., <i>Advanced Organic Chemistry</i> , McGraw Hill Book Company, New York, pp 251-259 (1977).
/LW/	AR3 Mehdipour-Ataei, S., <i>et al.</i> , "Novel Diols Containing Ester and Amide Groups and Resulting Poly(ester amide ester)s," <i>J. Applied Polymer Sci.</i> , 93:2699-2703 (2004), XP002420014.
/LW/	AS3 Database Beilstein [online] Beilstein Institut Zur Förderung Der Chemischen Wissenschaften; XP002420027, Beilstein Registry Number 3517906.
/LW/	AT3 Database Beilstein [online] Beilstein Institut Zur Förderung Der Chemischen Wissenschaften; XP002420028, Beilstein Registry Number 5840042.
/LW/	AU3 Database Beilstein [online] Beilstein Institut Zur Förderung Der Chemischen Wissenschaften; XP002420029, Beilstein Registry Number 2311871.
/LW/	AV3 Database Beilstein [online] Beilstein Institut Zur Förderung Der Chemischen Wissenschaften; XP002420030, Beilstein Registry Number 8876646.
/LW/	AW3 Database Beilstein [online] Beilstein Institut Zur Förderung Der Chemischen Wissenschaften; XP002420031, Beilstein Registry Number 2271400.
/LW/	AX3 Database Beilstein [online] Beilstein Institut Zur Förderung Der Chemischen Wissenschaften; XP002420032, Beilstein Registry Number 2212095.
/LW/	AY3 Database Beilstein [online] Beilstein Institut Zur Förderung Der Chemischen Wissenschaften; XP002420033, Beilstein Registry Number 8941955.
/LW/	AZ3 Database Beilstein [online] Beilstein Institut Zur Förderung Der Chemischen Wissenschaften; XP002420034, Database Accession No. 2312425.
/LW/	AR4 Database Beilstein [online] Beilstein Institut Zur Förderung Der Chemischen Wissenschaften; XP002420035, Beilstein Registry Number 905950.
/LW/	AS4 Database Beilstein [online] Beilstein Institut Zur Förderung Der Chemischen Wissenschaften; XP002420036, Beilstein Registry Number 2140308.
/LW/	AT4 Database Beilstein [online] Beilstein Institut Zur Förderung Der Chemischen Wissenschaften; XP002420037, Beilstein Registry Number 134886.
/LW/	AU4 Database Beilstein [online] Beilstein Institut Zur Förderung Der Chemischen Wissenschaften; XP002420038, Beilstein Registry Number 1961007.

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
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